Syntax

twoway rline y1var y2var xvar [if] [in] [, options]

options Description

vertical vertical plot; the default
horizontal horizontal plot

connect_options change rendition of lines connecting points
axis_choice_options associate plot with alternative axis
twoway_options titles, legends, axes, added lines and text, by, regions, name, aspect ratio, etc.


All explicit options are rightmost, except vertical and horizontal, which are unique; see [G-4] concept: repeated options.

Menu

Graphics > Twoway graph (scatter, line, etc.)

Description

A range plot has two y variables, such as high and low daily stock prices or upper and lower 95% confidence limits.

twoway rline plots the upper and lower ranges by using lines.

Options

vertical and horizontal specify whether the high and low y values are to be presented vertically (the default) or horizontally.

In the default vertical case, y1var and y2var record the minimum and maximum (or maximum and minimum) y values to be graphed against each xvar value.

If horizontal is specified, the values recorded in y1var and y2var are plotted in the x direction and xvar is treated as the y value.

connect_options change the rendition of the lines connecting the points, including sorting, handling missing observations, and the look of the line—line thickness, pattern, and color. For details, see [G-3] connect_options.
axis_choice_options associate the plot with a particular y or x axis on the graph; see [G-3] axis_choice_options.

twoway_options are a set of common options supported by all twoway graphs. These options allow you to title graphs, name graphs, control axes and legends, add lines and text, set aspect ratios, create graphs over by() groups, and change some advanced settings. See [G-3] twoway_options.

Remarks and examples

Visually, there is no difference between

    . twoway rline y1var y2var xvar

and

    . twoway line y1var xvar || line y2var xvar, pstyle(p1)

The two lines are presented in the same overall style, meaning color, thickness, and pattern.

Also see

[G-2] graph twoway rarea — Range plot with area shading
[G-2] graph twoway rbar — Range plot with bars
[G-2] graph twoway rcap — Range plot with capped spikes
[G-2] graph twoway rcapsym — Range plot with spikes capped with marker symbols
[G-2] graph twoway rconnected — Range plot with connected lines
[G-2] graph twoway rsscatter — Range plot with markers
[G-2] graph twoway rspike — Range plot with spikes